DP FireWire 800 PCIe Quick Installation Guide

Introduction

The *DP FireWire 800 PCIe* is designed to add FireWire 800 interface to your computer.

Features and Benefits

- Provides 3 FireWire 800 (9-pin) ports for multiple device connections
- Works with DV camcorders, FireWire hard disks, digital cameras, scanners, CD-RW/DVD drives, video game systems, & other audio/video devices
- Supports serial bus data transfer rates of 100, 200, 400, 800Mbps
- Compliant with IEEE 1394b & backward compatible with 1394a-2000 and 1394-1995 standards
- Compliant with PCI Express Base Specification Revision 1.0a
- Installs in standard height or low profile chassis with included brackets
- Works with PC and Mac

System Requirements

- PCI Express equipped system with an available PCI Express slot
- Windows® 8 (32-/64-bit) / 7 (32-/64-bit) / Vista (32-/64-bit) / XP (32-/64-bit) / Server 2003 & 2008 (32-/64-bit) / Server 2008 R2 / 2000
- Mac OS® X v10.4 or later

Package Contents

- *DP FireWire 800 PCIe*
- Spare enhanced low profile bracket
- "Y" split power cable & driver CD
- Quick installation guide

Board Layout

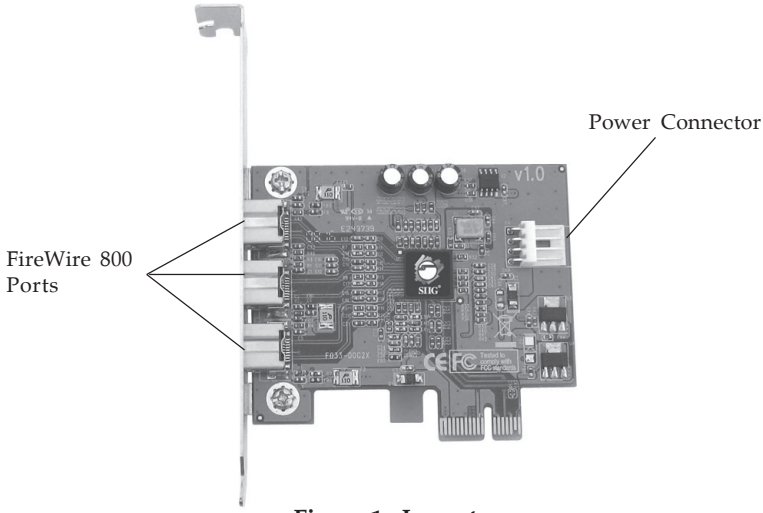

Figure 1: Layout

Note: The **Power Connector** (same as the one used with your floppy disk drive) is designed to provide additional power to the board when needed. This connection is **recommended**. We recommend to connect this power connector when the following conditions occur:

- All ports are used.

- Device(s) not being detected.

In case you need to connect this power connector, power off your system first before making this connection.

Hardware Installation

General instructions for installing the card are provided below. Since the design of computer cases and motherboards vary, refer to your computer's reference manual for further information, if needed.

Static Electricity Discharge may permanently damage your system. Discharge any static electricity build up in your body by touching your computer's case for a few seconds. Avoid any contact with internal parts and handle cards only by their external edges.

1. Turn OFF the power to your computer and any other connected peripheral devices. Unplug the computer's power cord.
2. Remove the computer cover and install the card in an available PCI Express slot.

   Note: For low-profile system chassis, remove the installed full size bracket and install the spare low profile bracket now.

3. Push the board down firmly, but gently, until it is well seated.
4. Connect an available 4-pin power connector from the system power supply to the **Power Connector** on the *DP FireWire 800 PCIe* board (See Figure 1 on page 2). This connection is optional, but recommended for reliable power output. The included "Y" split power cable can be used to provide additional 4-pin power connectors.
5. Secure the card and replace the cover.

Driver Installation

Windows 8 / 7 / Vista / XP / Server 2003 & 2008 / Server 2008 R2 / 2000 automatically installs it's built-in FireWire 400 driver for the *DP FireWire 800 PCIe*. To get the full speed out of this controller, install the FireWire 800 driver using the directions below.

Windows 8 (32-/64-bit) / 7 (32-/64-bit) / Server 2008 R2

1. Install the board and boot up Windows.
2. Insert the driver CD. Close the CD autoplay window if prompted.
3. Click **Windows key** and **R**.

   For 32-bit: Type **D:\setup32.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

   For 64-bit / 2008 R2: Type **D:\setup64.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)
4. Follow the on screen instructions to complete the installation.

Windows Vista (32-/64-bit) / Server 2008 (32-/64-bit)

1. Install the board and boot up Windows.
2. Insert the driver CD. Close the CD autoplay window if prompted.
3. Click **Start**. In the **Start Search** box,

   For 32-bit: Type **D:\setup32.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)

   For 64-bit: Type **D:\setup64.exe**, press **Enter**. (Change **D:** to match your CD-ROM drive letter)
4. Follow the on screen instructions to complete the installation.

Windows XP (32-/64-bit) / Server 2003 (32-/64-bit) / 2000

1. Install the board and boot up Windows.
2. Insert the driver CD. Close the CD autoplay window if prompted.
3. Click **Start**, **Run**.

   For 32-bit: Type **D:\setup32.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter)

   For 64-bit: Type **D:\setup64.exe**, click **OK**. (Change **D:** to match your CD-ROM drive letter).
3. Follow the on screen instructions to complete the installation.

To Verify Windows Installation

1. Check Device Manger to verify installation.

   For Windows 8 / 7 / XP / Server 2003 / 2000: Right click **Computer** or **My Computer**, click **Manage**, then click **Device Manager**.

   For Windows Vista: Right click **Computer**, click **Manage**, click **Continue**, click **Device Manager**.

   For Windows Server 2008 / 2008 R2: Right click **Computer**, click **Manage**, double click **Diagnostics**, click **Device Manager**
2. Double click **1394 Bus host controllers**. **Unibrain driver/OHCI Compatible Board** or **IEEE 1394b (FireWire 800) adapter** should be displayed.

Mac OS X v10.4 or later

Mac OS will automatically detect and install the correct driver for the *DP FireWire 800 PCIe*. No additional driver is necessary.

To Verify Mac OS Installation

Check **System Profiler** to verify installation.

1. Click **Go**, then **Utilities**.
2. Double click **System Profiler**.
3. Click **FireWire** and another **FireWire Bus** should be displayed.

Connecting Devices

General driver installation steps are provided below. Please review your device's user manual for more details.

Windows 8 / 7 / Vista / Server 2008 & 2008 R2

Windows 8, 7, Windows Vista, Server 2008 or 2008 R2 will automatically detect and install most FireWire devices when connected. However, for devices that do not install automatically, additional drivers may be required. Refer to the device's users manual and/or contact the device's manufacturer for the correct driver.

Windows XP

1. At the Found New Hardware Wizard.

   For XP w/SP2 or later: Select **No, not this time**, then click **Next**.

   For XP w/SP1 or earlier: Go directly to step #2.
2. Select **Install the Software Automatically**, click **Next**.
3. Click **Continue Anyway**. (Skip if not prompted)
4. Click **Finish** to complete the installation.

Windows Server 2003

1. At the Found New Hardware Wizard.

   For Server 2003 w/SP1 or later: Select **No, not this time**, then click **Next**.

   For Server 2003: Go directly to step #2.
2. Select **Install the Software Automatically**, click **Next**.
3. At the Security Alert box click **Yes**, or the Hardware Installation box click **Continue Anyway**, then click **Finish** to complete the installation.

Windows 2000

1. At the Found New Hardware Wizard, click **Next**.
2. Select **Search for a suitable driver...**, then click **Next**.
3. Uncheck all check boxes, click **Next**, click **Next**.
4. Click **Finish** to complete the installation.

Mac OS

Mac OS will automatically detect and install most FireWire devices when connected. If additional drivers are required, refer to the device's users manual.

ubSwitch Utility (Windows only)

In order to use a DV camcorder with this controller, Microsoft's FireWire 400 driver must be installed in the system. We have supplied an easy to use utility that allows switching between Microsoft's driver and the FireWire 800 driver. *Before using this utility, unplug all devices from the FireWire 800 card.*

The steps, taken from Windows XP, may be different for other Windows operating systems.

1. Click **Start**, **Programs** or **All Programs**, **Unibrain ubcore**, then **ubSwitch**.
2. Click the **ubSwitch** icon located in the system tray by the clock.
3. Click the **Unibrain driver/OHCI Compatible Board** or **Texas Instruments OHCI Compliant IEEE 1394 Host Controller**.
4. Click **Microsoft Drivers** to switch to the Windows embedded FireWire 400 driver.

   Click **Unibrain Drivers** to switch back to the FireWire 800 driver.

   Note: If your system has multiple 1394 adapters installed, make sure that you click on the 1394 adapter that the camcorder will be plugged into.

5. Click **Yes** at the Security Alert window. Skip this step if not prompted.
6. Windows will display an information box when the driver is ready for use. It may take a few seconds for this box to appear.

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Technical Support and Warranty

QUESTIONS? SIIG' s **Online Support** has answers! Simply visit our web site at ***www.siig.com*** and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analyst will promptly respond.

SIIG offers a lifetime manufacturer warranty with this product. This warranty covers the original purchaser and guarantees the product to be free of any defects in materials or workmanship for the life of the product.

SIIG will, at our discretion, repair or replace (with an identical product or product having similar features and functionality) the product if defective in materials or workmanship. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Please see our web site for more warranty details.

If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased it.

B) If your purchase has passed the store's return policy period, please follow these steps to have the product repaired or replaced.

Step 1: Submit your RMA request. Go to **www.siig.com**, click **Support**, then **Request A Product Replacement** to submit a request to SIIG RMA or fax a request to 510-657-5962. Your RMA request will be processed, if the product is determined to be defective, an RMA number will be issued.

Step 2: After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All software, cable(s) and any other accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping to SIIG. Ship the product to the following address:

  SIIG, Inc.
  6078 Stewart Avenue
  Fremont, CA 94538-3152, USA
  RMA #: _____

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

About SIIG, Inc.

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PRODUCT NAME

DP FireWire 800 PCIe

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

FCC COMPLIANCE STATEMENT:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

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